

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE CONSTRUCTION OF A TEMPORARY ONE-WAY TRAFFIC CONTROL SIGNAL AT GROSVENOR LANE IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 8 SEQUENTIAL NEMA PHASES. A SECONDARY POLE MOUNTED "G" CABINET SHALL BE INSTALLED AND UTILIZE A SEPARATE 120 VOLT POWER SERVICE. A MINI HUB II SHALL TRANSFER VIDEO CAMERA DETECTION CALLS TO THE LOCAL CONTROLLER CABINET USING RELAYS.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. JEFFREY WENTZ, ASSISTANT DISTRICT ENGINEER TRAFFIC
PHONE: (301) 513-7358
MR. KEVIN NOWAK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. AUGUSTINE REBISH, DISTRICT UTILITIES ENGINEER
PHONE: (301) 513-7350
MR. WAYNE A. MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304
MR. KAMAL HAMUD, TRAFFIC ENGINEER MCDPW&T
PHONE: (240) 777-8761
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

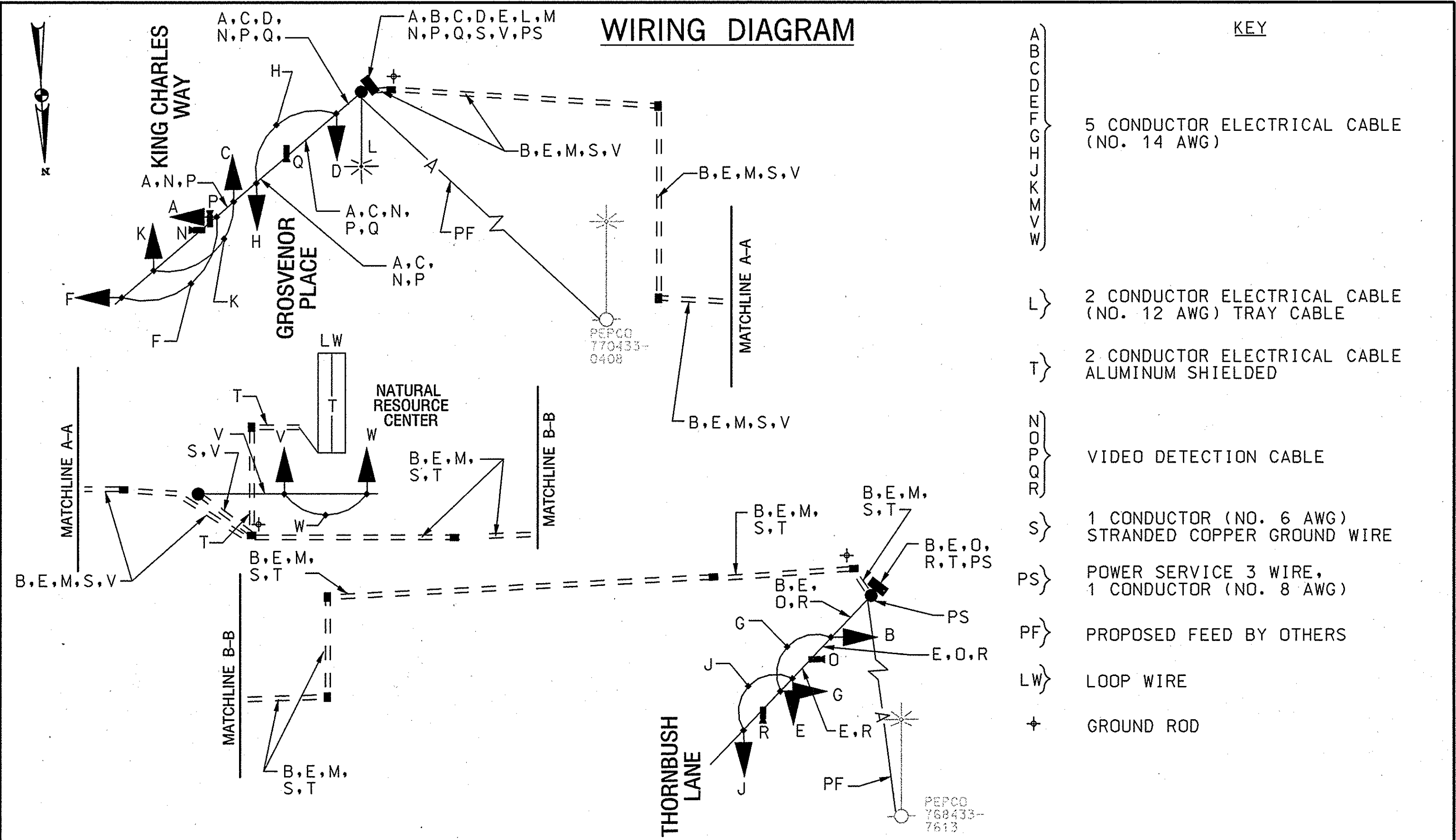
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS	EA	2
900000	ASC II CONTROLLER AND NEMA 5 POLE MOUNT CABINET	EA	1
900000	"G" TYPE POLE MOUNT CABINET WITH MINI HUB II EQUIPMENT	EA	1
	RACK MOUNTED AMPLIFIERS		
973023	SHEET ALUMINUM SIGNS	SF	33
	R10-11B (30" X 30") MAST ARM MOUNT	EA	4
	R3-5(R)(30" X 36") MAST ARM MOUNT	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	3
585624	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKINGS	LF	115
800000	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - ATTACHED	LF	385
800000	CONTROL CABLE, 100 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	5
800000	STEEL POLE 18 FT. HEIGHT WITH 38 FT. MAST ARM WITH SPECIAL 15 FT. "T" DIMENSION	EA	1
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	13
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	1550
805135	3 INCH SCHEDULE 80 RIGID PCV CONDUIT - TRENCHED	LF	1290
805150	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED	LF	165
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	10
807400	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	EA	2
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	11
813015	INSTALL OVERHEAD SIGN	SF	33
816001	VIDEO DETECTION CAMERA	EA	5
818036	STEEL POLE WITH A SINGLE 50 FOOT MAST ARM	EA	1
818052	STEEL POLE WITH A SINGLE 70 FOOT MAST ARM	EA	1
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	EA	1
837001	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	3
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	36
860292	CUT, CLEAN GALVANIZED, CAP TRAFFIC SIGNAL STRUCTURES	EA	1
861104	ELECTRICAL CABLE - 2 CONDUCTOR ALUMINUM SHIELDED	LF	875
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	6320
862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING NO. 14 AWG.	LF	345
862102	SAW CUT FOR SIGNAL - LOOP DETECTOR	LF	90
866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EA	1
871201	INSTALL CONTROLLER AND CABINET - POLE MOUNT	EA	2



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	
PHASE 1	G	G	R	R	R	R	R	R	R	R	R	R	←
1 CHANGE	Y	Y	R	R	R	R	R	R	R	R	R	R	↑
PHASE 2	R	R	R	R	R	R	R	R	G	G	R	R	↑
2 CHANGE	R	R	R	R	R	R	R	R	Y	Y	R	R	↑
PHASE 3	R	R	R	R	R	R	R	R	R	R	R	R	↑
PHASE 4	R	R	R	R	R	R	G	G	R	R	R	R	↓
4 CHANGE	R	R	R	R	R	R	Y	Y	R	R	R	R	↓
PHASE 5	R	R	R	R	R	R	R	R	R	R	R	R	↑
6 CHANGE	R	R	G	G	R	R	R	R	R	R	R	R	↑
PHASE 6	R	R	Y	Y	R	R	R	R	R	R	R	R	→
PHASE 7	R	R	R	R	G	G	R	R	R	R	G	G	↑
7 CHANGE	R	R	R	R	Y	Y	R	R	R	R	Y	Y	↑
PHASE 8	R	R	R	R	R	R	R	R	R	R	R	R	↑
FLASHING OPERATION	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	↑

1 ADDENDUM No. 1 03/ /2006

SABRA, WANG & ASSOCIATES, INC.
1604 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-8864
WWW.SABRA-WANG.COM

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**TEMPORARY SIGNALS FOR BRIDGE NO.15077
ON GROSVENOR LANE OVER I-270**
BETHESDA, MARYLAND

MOT (PHASE 1) GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 02/06 CONTRACT NO. MO375180

DESIGNED BY S. SMITH COUNTY MONTGOMERY
DRAWN BY S. SMITH LOGMILE 15035504.38
CHECKED BY S. RENZI T.I.M.S. NO. N/A
F.A.P. NO. N/A TOD NO.

DRAWING NO. **PSG - N101C** SHEET NO. OF